

Amendments to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application:

Claims 1-44. (cancelled)

Claim 45 (previously presented). An actinic radiation curable composition comprising:

(A) 40-80 weight % of at least one liquid epoxy resin having an epoxy functionality of 2 or greater;

(B) 0.1 -10 weight % of at least one cationic photoinitiator;

(C) 5-40 weight % of at least one liquid diacrylate;

(D) 0-15 weight % of at least one liquid poly(meth) acrylate having a (meth)acrylate functionality of greater than 2;

(E) 0.1 -15 weight % of at least one radical photoinitiator;

(F) 5-40 weight % of at least one OH-terminated polyether, OH-terminated polyester or OH-terminated polyurethane; and

(G) 0.001-0.3 weight % of at least one stabilizer selected from the group consisting of borane ammoniac complex, borane triethylamine complex, borane tributylphosphine complex, borane trimethylamine complex, borane triphenylphosphine complex, borane tributylamine complex, borane N,N-diethylamine complex, borane N, N-diisopropyl ethylamine complex, borane dimethylamine complex, borane N-ethyl-N-isopropyl aniline complex, borane 4-methyl-morpholine complex, borane 4-ethylmorpholine complex, bis-(triethylborane) 1,6-diaminohexane complex, trichloroborane N, N-dimethyloctylamine complex, trichloroborane N, N-dimethyloctylamine complex, trichloroborane triethylamine complex, trichloroborane pyridine complex, trichloroborane benzylamine

complex, irontrichloride triethylamine complex, irontrichloride pyridine complex, and irontrichloride N, N-dimethyloctylamine.

Claims 46-49 (cancelled).

Claim 50 (new). The actinic radiation curable composition of claim 45 wherein the stabilizer is selected from the group consisting of borane trimethylamine complex, borane tributylphosphine complex, borane ammoniac complex, bis-(triethylborane) 1,6-diaminohexane complex, trichloroborane triethylamine complex, trichloroborane pyridine complex, trichloroborane benzylamine complex, irontrichloride triethylamine complex, irontrichloride pyridine complex, and irontrichloride N, N-dimethyloctylamine.

Claim 51 (new). The actinic radiation curable composition of claim 45 wherein the epoxy resin is a cycloaliphatic diepoxide.

Claim 52 (new). The actinic radiation curable composition of claim 51 wherein the cycloaliphatic diepoxide has a monomer purity of 90% or higher.

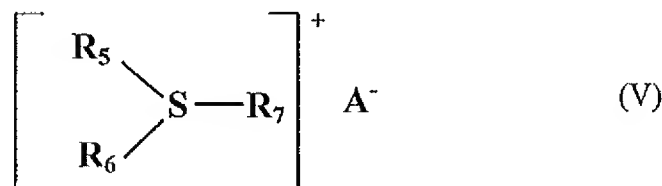
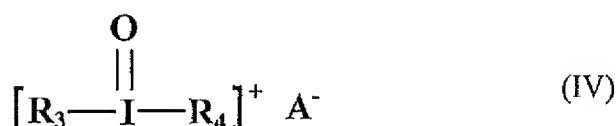
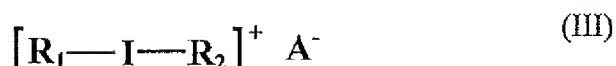
Claim 53 (new). The actinic radiation curable composition of claim 45 wherein two or more epoxy resins are present.

Claim 54 (new). The actinic radiation curable composition of claim 53 wherein the two or more epoxy resins are cycloaliphatic diepoxides independently selected from the group consisting of bis (4-hydroxycyclohexyl) methane diglycidyl ether; 2,2-bis (4-hydroxycyclohexyl) propane diglycidyl ether; 3,4-epoxycyclohexylmethyl-3,4-epoxycyclohexanecarboxylate; 3,4-epoxy-6-methyl-cyclohexylmethyl-3,4-epoxy-6-methylcyclohexanecarboxylate; di-(3,4-epoxycyclohexylmethyl) hexanedioate; di-(3,4-epoxy-6-methyl-cyclohexylmethyl) hexanedioate; ethylenebis (3,4-epoxycyclohexanecarboxylate), ethanediol di-(3,4-epoxycyclohexylmethyl) ether and 2-

(3,4-epoxycyclohexyl-5,5,3-dioxane).

Claim 55 (new). The actinic radiation curable composition of claim 45 wherein the cationic photoinitiator is an onium salt with an anion of weak nucleophilicity.

Claim 56 (new). The actinic radiation curable composition of claim 55 wherein the onium salt comprises an onium salt of formula (III), (IV) or (V):



wherein each of R₁, R₂, R₃, R₄, R₅, R₆ and R₇ are independently selected from a C₆-C₁₈ aryl which may be optionally substituted by appropriate radicals; A is CF₃ SO₃⁻ or an anion having the formula [LQ_m]⁻ where L is selected from the group consisting of boron, phosphorus, arsenic and antimony; Q is a halogen or hydroxyl group; and m is an integer corresponding to the valency of L enlarged by 1.

Claim 57 (new). The actinic radiation curable composition of claim 56 wherein the onium

salt is a compound having formula (V) and R₅, R₆ and R₇ are independently selected from the group of phenyl and biphenyl.

Claim 58 (new). The actinic radiation curable composition of claim 45 wherein the OH-terminated polyether has a molecular weight ranging between 250 to 4000.

Claim 59 (new). A method for producing a cured product comprising treating an actinic radiation curable composition according to claim 45 with actinic radiation.

Claim 60 (new). A method for producing a stabilized actinic radiation curable composition comprising mixing:

(A) 40-80 weight % of at least one liquid epoxy resin having an epoxy functionality of 2 or greater;

(B) 0.1 -10 weight % of at least one cationic photoinitiator;

(C) 5-40 weight % of at least one liquid diacrylate;

(D) 0-15 weight % of at least one liquid poly(meth) acrylate having a (meth)acrylate functionality of greater than 2;

(E) 0.1 -15 weight % of at least one radical photoinitiator;

(F) 5-40 weight % of at least one OH-terminated polyether, OH-terminated polyester or OH-terminated polyurethane; with

(G) 0.001-0.3 weight % of at least one stabilizer selected from the group consisting of borane ammoniac complex, borane triethylamine complex, borane tributylphosphine complex, borane trimethylamine complex, borane triphenylphosphine complex, borane tributylamine complex, borane N,N-diethylamine complex, borane N, N-diisopropyl ethylamine complex, borane dimethylamine complex, borane N-ethyl-N-isopropyl aniline complex, borane 4-methyl-morpholine complex, borane 4-ethylmorpholine complex, bis-

(triethylborane) 1,6-diaminohexane complex, trichloroborane N, N-dimethyloctylamine complex, trichloroborane N, N-dimethyloctylamine complex, trichloroborane triethylamine complex, trichloroborane pyridine complex, trichloroborane benzylamine complex, irontrichloride triethylamine complex, irontrichloride pyridine complex, and irontrichloride N, N-dimethyloctylamine.